

40-9401
(9-60)

INTERMEDIATE ACTION FORM

Source & SNM Licenses

REFERENCE NUMBERS				12. CONTROL NO.			15. LICENSE NUMBER				
01. FROG. CODE 62	03. DOCKET NO. 40-6940	09. TASK NO. 1539	42. PURPOSE OF TASK processing	12. CONTROL NO. 1539			15. LICENSE NUMBER SMB-920				
18. APPLICANT Kawecki Berylco Industries, Inc.							54. AM. NO. RESULTING FROM TASK				
21. STREET & BUILDING P. O. Box 60				45. CLASSIFICATION U			63. ASG. TO:				
24. CITY Boyertown,		27. STATE PA	30. ZIP 19512	33. RECEIVED YR. MO. DAY 70 05 20			36. ISSUED YR. MO. DAY				
57. APPLICANT'S COMMUNICATION DATED		YR. MO. DAY 70 05 07	59. ENCLOSURES								
58. DESCRIPTION (MUST BE UNCLASSIFIED) (1 cy. rec'd.) ltr. req. amendment of SMB-920 to permit experimental processing of ore concentrates containing up to 2% thorium and/or uranium as unwanted impurities.....				60. DISTRIBUTION 1-PDR cy. 1-compliance cy.							
INTERMEDIATE ACTIONS							OTHER REFERRALS				
TYPE	ON			ACTIV.	RETURNED			DATE			
	YR.	MO.	DAY		YR.	MO.	DAY	YR.	MO.	DAY	
ADDL. INFO. REQUESTED FROM APPLICANT	91			92	1	93			70	05	20
REFERRED TO:	94			95	2	96					
REFERRED TO:											

DO NOT REMOVE

ACKNOWLEDGED

DJQ

KAWECKI BERYLCO INDUSTRIES, INC.

P. O. Box 60, Boyertown, Pennsylvania 19512
Telephone: 215 / 367-2181

May 7, 1970

Mr. Don Harmon
Division of Materials Licensing
U.S. Atomic Energy Commission
Washington, D.C.

Re: SMB-920
Docket #40-6940

Regulatory File Cy.

Dear Mr. Harmon:

It has become necessary for us to utilize some of the specialized facilities and equipment at our plant in Revere, Pa., for the development of suitable techniques for the extraction of columbium from ore concentrates. These concentrates can contain up to 2.0% natural thorium and 1.5% natural uranium. Although our license SMB-920 permits storage of these materials at this plant, we hereby request appropriate amendment of this license to permit experimental processing of ore concentrates containing up to 2% natural thorium and/or uranium as unwanted impurities.

We plan to process experimental batches of ore concentrates by the thermite method. We expect the source materials to concentrate in the waste slag. The slag will be retained on site pending analyses and decision as to final disposal in accordance with AEC and state regulations.

Appropriate health physics measures will be taken to evaluate and control radiological risks. Air samples will be taken wherever airborne contamination may be a problem. Smear samples as well as direct alpha measurements will be made to evaluate surface contamination. The radiological safety procedures will be identical to those described in our correspondence dated December 10, 1969.

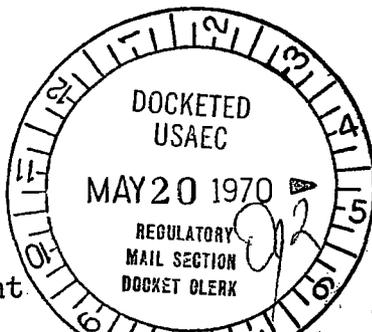
A report will be prepared summarizing the results of our health physics study of these experimental processes. This report will contain any recommendations necessary to the effective control of source materials. A copy of this report will be submitted to you for review and comment.

Your cooperation and assistance in authorizing the necessary amendments of our source materials license will be appreciated. Please do not hesitate to contact us or our consultant health physicist, R. G. Gallagher if any additional information is required.

Sincerely,

KAWECKI BERYLCO INDUSTRIES, INC.

George J. Nessel
George J. Nessel
Technical Manager



/kmt

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ACKNOWLEDGED

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